Water Efficient Product Market Enhancement Program:

What is the promise of new landscape irrigation technologies for enhancing water efficiencies?

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SWAT: Smart Water Application Technology

Climate-based Controller and Soil Moisture Sensor for Turf and Landscape Irrigation

Process Towards Adopting SWAT

1. **Water Purveyors Identified a Need**
   - **Estimated that 20-30% of the water applied to urban landscape is wasted in the form of *"over-irrigation"* (run-off and deep percolation)**

Process Towards Adopting SWAT

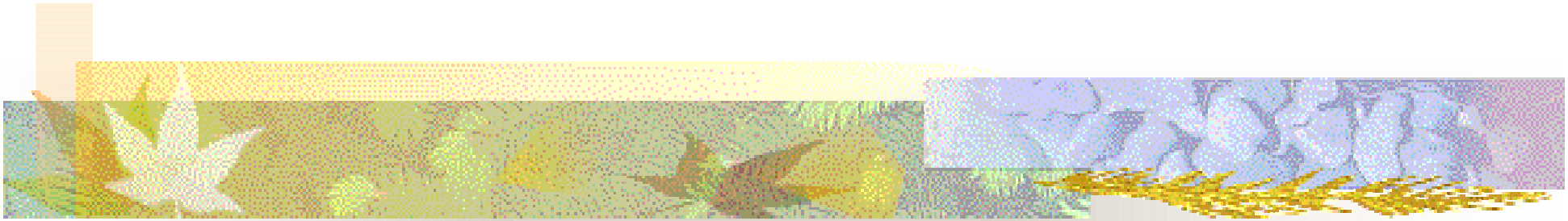
1. Water Purveyors Identified a Need
   - 20-30% of the water applied to urban landscape is wasted
2. **Industry Meeting Mobilized through the IA**
   - **Meetings held in New Orleans and Fresno**

Purveyor/IA Meeting-Fresno

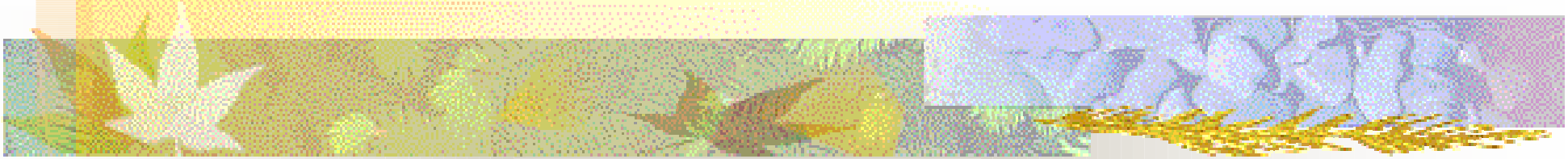
Develop Process for Adopting SWAT

1. Water Purveyors Identified a Need
   - 20-30% of the water applied to urban landscape is wasted
2. Industry Meeting Mobilized through the IA
   - Meetings held in New Orleans and Fresno
3. **Two Draft Standards Developed & available on IA Website**
   - **Controller standard**
   - **Soil moisture standard**

Protocols have been developed for both the climate-based controllers and soil moisture sensor testing



Version 3.0 is available on the Irrigation Association website: Irrigation.org



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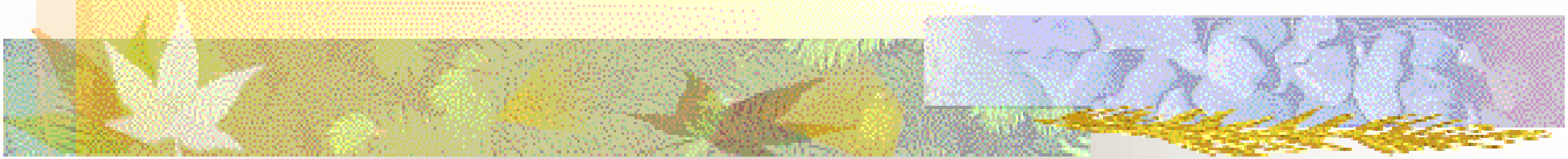
4. **Movement to Develop National *Technology* Standards**

The Center for Irrigation Technology is an Internationally Recognized Irrigation Testing Facility w/over 20 Years Experience



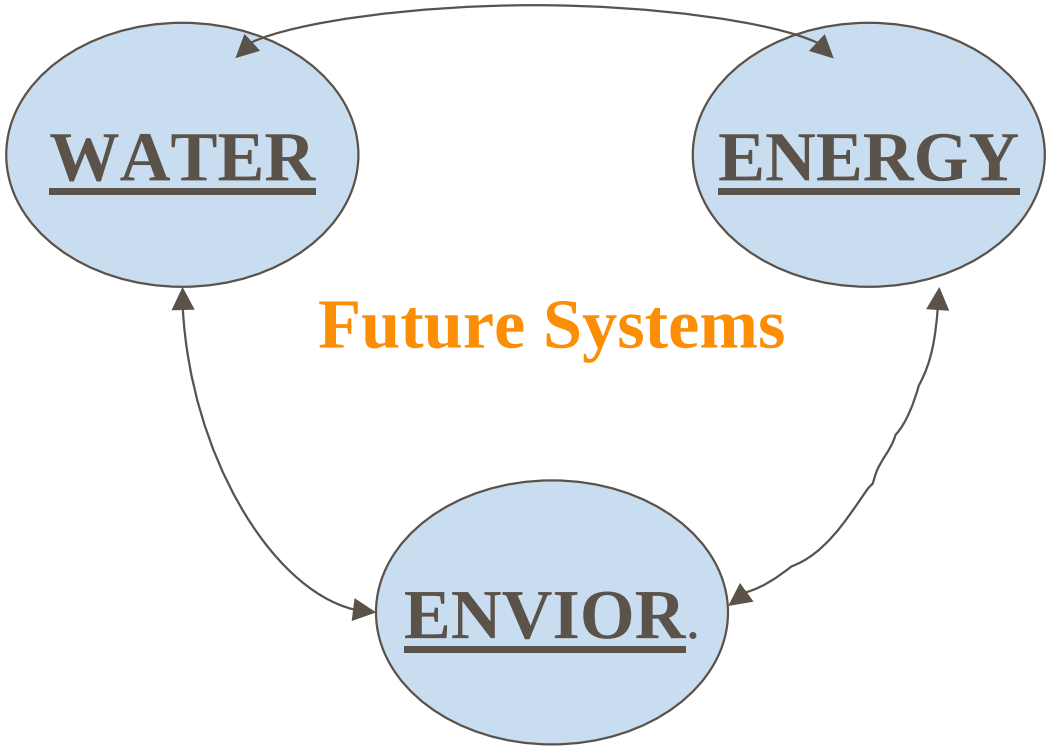
Hydraulic Laboratory Testing

Equipment Testing

Field Research on Irrigation Equipment

Keys to Success

- **Irrigation Equipment/Systems** must be sold on their benefits to the Water/Energy/Environmental matrix.



Achieved By

Maximizing Water Efficiency
Minimizing Energy Use
Reducing Environmental Impact

We have the Technology!!!

Example graph of continuous soil moisture sensing at 4 depths in a root zone –

Thank You!

Questions?